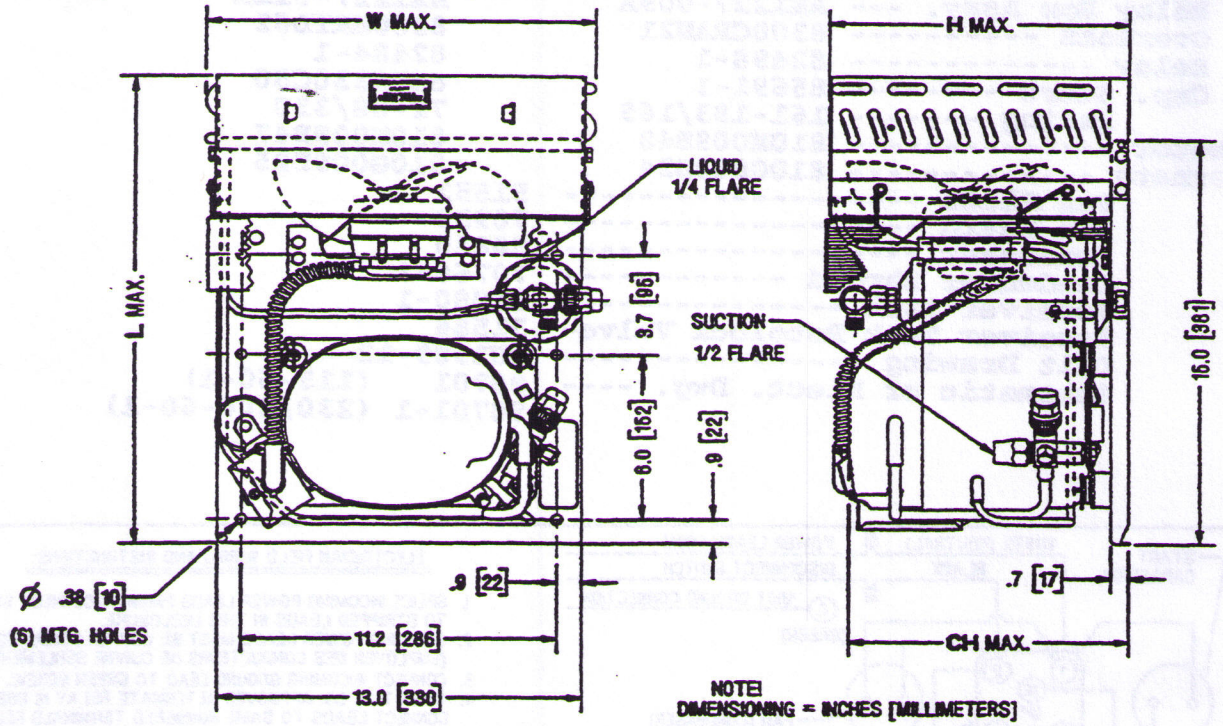
TECUMSEH HERMETIC CONDENSING UNITS

Date: 9-9-95

MODEL AKA9429Z**XC (Formerly AK9429ZC) R-404A 1/3 HP AIR COOLED



Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AKA9429Z**XC	17.4	14.0	10.9	10.1	½ F	¼ F	2.8	350	17	71

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - **MUST BE EVACUATED**

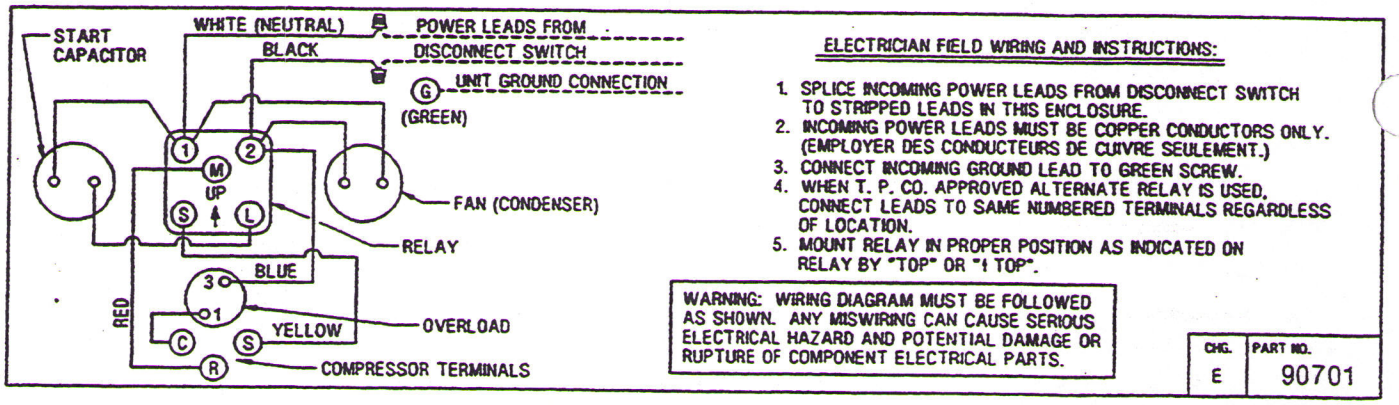
Approved Evap. Range		Ambient								
		90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-10	23.9	990	360	235	660	340	260	330	320	290
-5	28.2	1300	410	245	950	390	270	600	370	300
0	32.8	1610	460	255	1240	440	280	850	420	310
5	37.9	1920	510	265	1530	490	290	1120	470	320
10	43.3	2230	560	275	1820	550	300	1380	530	330
15	49.2	2540	610	290	2110	600	315	1640	590	340
20	55.5	2850	650	305	2400	640	330	1900	640	355
25	62.2	3160	700	320	2690	690	345	2160	690	370
30	69.5	3470	740	335	2970	730	360	2420	730	385
35	77.2	3780	790	350	3260	780	375	2680	780	405
40	85.5	4090	830	365	3550	820	390	—	—	—
45	94.3	4400	880	380	3840	880	405	—	—	—

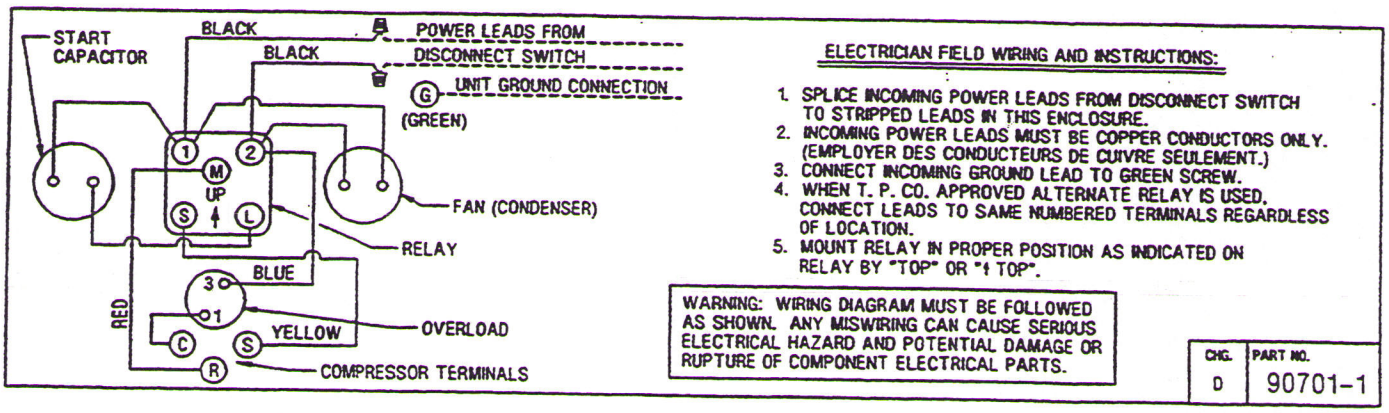
Based on 40°F return gas, 5°F subcooling

Date: 10-2-95

SPECIFICATIONS	AKA9429ZXAXC	AKA9429ZXDXC
Nominal Voltage	115-60-1	230/208-60-1
Unit B/M	2D351-1	2D377-1
Voltage Range	126.5 to 103.5	253 to 187
Min. Circuit Ampacity	10.3	5.0
Max. Fuse Size (Amps)	15	15
Compressor Model	AKA9427ZXA	AKA9427ZXD
Bill of Material	AK174AT-035-P2	AK174ET-035-P2
RLA/LRA	7.8/48.0	3.8/23.0
Relay Box Assy.	AE1227-009A	AE1227-011A
Overload	8300CRAN21	8300MRTL62
Relay	82498-1	82484-1
Cap. Start	85691-1	85PS330C50
Rating	161-193/165	72-88/330
Fan Motor	810M009B48	810M009B47
Alternate	810G009B24	810G009B25

Fan Blade	51551
Fan Guard	70959
Condenser	50840
Condenser Shroud	70766-1
Receiver Tank	51080-1
Receiver Tank Rotolock Valve	31584
Unit Drawing	SU1909-12
Schematic or Elect. Dwg.	90701 (115-60-1)
	90701-1 (230/208-60-1)


START CAPACITOR
WHITE (NEUTRAL)
BLACK
POWER LEADS FROM DISCONNECT SWITCH
UNIT GROUND CONNECTION
(GREEN)
FAN (CONDENSER)
RELAY
BLUE
YELLOW
OVERLOAD
RED
COMPRESSOR TERMINALS
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS:
1. SPLICE INCOMING POWER LEADS FROM DISCONNECT SWITCH TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.)
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T. P. CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGARDLESS OF LOCATION.
5. MOUNT RELAY IN PROPER POSITION AS INDICATED ON RELAY BY "TOP" OR "! TOP".
WARNING: WIRING DIAGRAM MUST BE FOLLOWED AS SHOWN. ANY MISWIRING CAN CAUSE SERIOUS ELECTRICAL HAZARD AND POTENTIAL DAMAGE OR RUPTURE OF COMPONENT ELECTRICAL PARTS.
CHG. E
PART NO. 90701


START CAPACITOR
BLACK
BLACK
POWER LEADS FROM DISCONNECT SWITCH
UNIT GROUND CONNECTION
(GREEN)
FAN (CONDENSER)
RELAY
BLUE
YELLOW
OVERLOAD
RED
COMPRESSOR TERMINALS
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS:
1. SPLICE INCOMING POWER LEADS FROM DISCONNECT SWITCH TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.)
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T. P. CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGARDLESS OF LOCATION.
5. MOUNT RELAY IN PROPER POSITION AS INDICATED ON RELAY BY "TOP" OR "! TOP".
WARNING: WIRING DIAGRAM MUST BE FOLLOWED AS SHOWN. ANY MISWIRING CAN CAUSE SERIOUS ELECTRICAL HAZARD AND POTENTIAL DAMAGE OR RUPTURE OF COMPONENT ELECTRICAL PARTS.
CHG. D
PART NO. 90701-1